

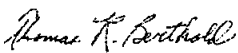
PTO/SB/21 (04-04)

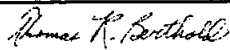
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/602,507	
	Filing Date	06/24/2003	
	First Named Inventor	Mary F. Doerner	
	Art Unit	1773	
	Examiner Name	Rickman, Holly C	
Total Number of Pages in This Submission	6	Attorney Docket Number	HSJ920030065US1

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks</b>		
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>		
Firm or Individual name	Thomas R. Berthold	
Signature		
Date	11/07/2004	

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Thomas R. Berthold		
Signature		Date	11/07/2004

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**FEE TRANSMITTAL**  
**for FY 2004**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

Complete if Known

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CENTRAL FAX CENTER

NOV 07 2004

Application Number	10/602,507
Filing Date	06/24/2003
First Named Inventor	Mary F. Doerner
Examiner Name	Rickman, Holly C
Group Art Unit	1773
Attorney Docket No.	HSJ920030065US1

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

502587

Deposit  
Account  
Name

Hitachi Global Storage Technologies

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☐
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** = 0	18.00	0.00
Multiple Dependent	-3** = 0	88.00	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	205	65	Surcharge - late filing fee or oath	
1052	50	227	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	139	130	Non-English specification	
1812	2,520	147	2,520	For filing a request for ex parte reexamination	
1804	920*	112	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
1251	110	215	55	Extension for reply within first month	
1252	420	216	205	Extension for reply within second month	
1253	950	217	485	Extension for reply within third month	
1254	1,480	218	725	Extension for reply within fourth month	
1255	2,010	228	885	Extension for reply within fifth month	
1401	330	219	160	Notice of Appeal	
1402	330	220	160	Filing a brief in support of an appeal	
1403	290	221	140	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	240	55	Petition to revive - unavoidable	
1453	1,330	241	650	Petition to revive - unintentional	
1501	1,330	242	650	Utility issue fee (or reissue)	
1502	480	243	235	Design issue fee	
1503	840	244	310	Plant issue fee	
1460	130	122	130	Petitions to the Commissioner	
1807	60	123	50	Processing fee under 37 CFR 1.17(q)	
1808	180	126	180	Submission of Information Disclosure Stmt	
8021	40	581	40	Recording each patent assignment per property (times number of properties)	
1809	770	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	279	375	Request for Continued Examination (RCE)	
1802	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Name (Print/Type) Thomas R. Berthold

Registration No.  
(Attorney/Agent)

28,689

Complete (if applicable)

Telephone (408) 396-8411

Signature

Thomas R. Berthold

Date

11/07/2004

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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/602,507

Art Unit: 1773

Filing Date: 06/24/2003

Examiner: Rickman, Holly C.

First Named Inventor: Mary F. Doerner

Date: 11/7/2004

Title: **MAGNETIC RECORDING DISK WITH IMPROVED  
ANTIFERROMAGNETICALLY COUPLING FILM**

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**NOV 07 2004**

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to the Office communication mailed 08/11/2004. Please amend the application as follows:

*HSJ920030065US1*

*Page 1 of 4*

*10/602,507*